



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re the Application of: KIM ET AL.
Group Art Unit: TO BE ASSIGNED
Application No.: 10/688,905
Examiner: TO BE ASSIGNED
Filed: October 21, 2003
Docket No.: 11641/167
For: BIOLOGICAL ASSAYS USING GRADIENTS FORMED IN
MICROFLUIDIC SYSTEMS

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Pursuant to 37 CFR § 1.56, the attention of the Patent and Trademark Office is hereby directed to the reference(s) listed on the attached PTO-1449s. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the reference(s) be made of record therein and appear among the "References Cited" on any patent to issue therefrom. The filing of this Information Disclosure Statement and the enclosed PTO Form No. 1449s, shall not be construed as an admission that the information cited is prior art, or is considered to be material to patentability as defined in 37 C.F.R. § 1.56(b). The paragraphs marked below are applicable. It is believed that no fees other than those indicated below are due, but authorization is hereby given to charge any additional fees due, or to credit any overpayment, to deposit account 11-0600.

- ☒ 1. This Information Disclosure Statement is being filed (a) within three months of the filing date of a national application other than a continued prosecution application under 37 C.F.R. §1.53(d), (b) within three months of the date of entry of the national stage as set forth in 37 C.F.R. § 1.491 in an international application, (c) before the mailing date of a first Office Action on the merits in the present application, OR (d) before the mailing of a first office action after filing of a request for continued examination. No certification or fee is required.

☒ 2. The reference(s) was/were cited by or submitted to the Office in parent application Nos.:


U.S. Patent Application No. 10/097,329 filed March 15, 2002;
U.S. Patent Application No. 10/097,351 filed March 15, 2002;
U.S. Patent Application No. 10/097,306 filed March 15, 2002;
U.S. Patent Application No. 10/097,304 filed March 15, 2002;
U.S. Patent Application No. 10/097,322 filed March 15, 2002;
U.S. Patent Application No. 10/097,302 filed March 15, 2002; and
U.S. Patent Application No. 09/709,776 filed November 8, 2000.

All of which are relied upon for an earlier filing date under 35 U.S.C. §120. Thus, copies of these references are not attached pursuant to 37 CFR §1.98(d).

Respectfully submitted,

KENYON & KENYON

Date: 2/6/04



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Form 1449 INFORMATION DISCLOSURE STATEMENT BY APPLICANT Page 1/3	ATTY. DOCKET NO. 11641/98	SERIAL NO. 10/097,322
	APPLICANT Gregory KIRK et al.	
	FILING DATE March 15, 2002	GROUP 1744

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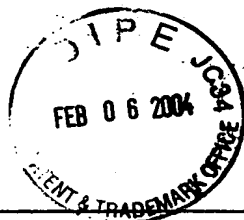
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT
PTO FORM 1449**

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ATTY. DOCKET NO.
11641/96

SERIAL NO.
10/097,302

APPLICANTS
G. KIRK et al.

FILING DATE
March 15, 2002

GROUP
1744

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	6,558,904 B2	May 6, 2003	Ermantraut et al.			

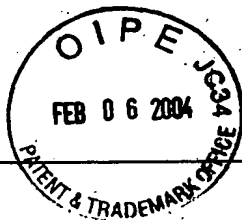
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

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EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	



INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449	ATTY. DOCKET NO. 11641/5	SERIAL NO. 09/709,776
	APPLICANTS Kim ENOCH and David DUFFY	
	FILING DATE November 8, 2000	GROUP 1744

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4,240,751	December 23, 1980	Linnecke, et al.			
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	4,842,633	June 27, 1989	Kuribayashi, et al.			
	4,999,489	March 12, 1991	Huggins			
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						YES	NO
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	5,942,443	August 24, 1999	Parce, et al.			
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						YES	NO
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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

* - Copy of the search report attached

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SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449	ATTY. DOCKET NO. 11641/5	SERIAL NO. 09/709,776
	APPLICANT Enoch KIM and David DUFFY	
	FILING DATE November 8, 2002	GROUP 1744

U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
	4,802,951*	07 February 1989	Clark et al.			
	5,599,695*	04 February 1997	Pease et al.			
	5,512,131*	30 April 1996	Kumar et al.			

* - Copy of the search report attached

FOREIGN PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO

OTHER DOCUMENTS

EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.

EXAMINER	DATE CONSIDERED
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PTO Form 1449 SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT BY APPLICANT Page 1/1	ATTY. DOCKET NO. 11641/86	SERIAL NO. 10/241,445
	APPLICANT Enoch KIM et al.	
	FILING DATE September 12, 2002	GROUP 1744

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EXAMINER INITIAL	PATENT NUMBER	PATENT DATE (MM/DD/YY)	NAME	CLASS	SUBCLASS	FILING DATE*
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						YES	NO

* English Abstract

** English comments provided on cover sheet.

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		International Search Report, International Application No. PCT/US03/12764, dated August 8, 2003 (3 pages)

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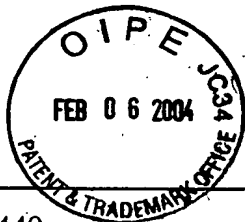
* English Abstract

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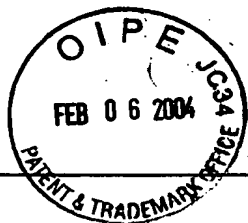


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* - If pertinent



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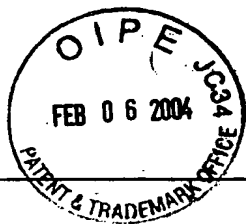
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	WO 93/06835	15 April 1993	US				
	WO 93/17033	2 September 1993	US				
	WO 98/52691	26 November 1998	CA				
	WO 00/7662	17 February 2000	US				

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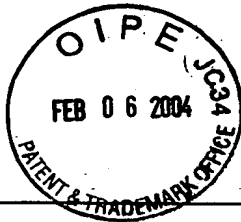
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		Folch <i>et al.</i> , "Microfabricated elastomeric stencils for micropatterning cell cultures", Journal of Biomedical Materials Research, vol. 52, pgs.346-353 (2000)
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		Zipfel <i>et al.</i> , "Shear-Induced Formation of Multilamellar Vesicles ("Onions") in Block Copolymers", Langmuir, vol. 15, no. 8, pgs. 2600-2602 (1999)
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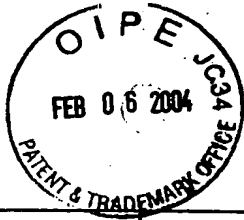
INFORMATION DISCLOSURE STATEMENT BY APPLICANT PTO FORM 1449	ATTY. DOCKET NO. 11641/130	SERIAL NO. 10/206,112
	APPLICANTS Enoch KIM, <i>et al.</i>	
	FILING DATE July 29, 2002	GROUP To be Assigned

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	4,728,591	March 1, 1988	Clark, et al.			
	4,802,951	February 7, 1989	Clark et al.			
	4,842,633	June 27, 1989	Kuribayashi, et al.			
	4,999,489	March 12, 1991	Huggins			
	5,079,600	January 7, 1992	Schnur, et al.			
	5,143,854	September 1, 1992	Pirrung, et al.			
	5,202,227	April 13, 1993	Matsuda, et al.			
	5,324,591	June 28, 1994	Georger, Jr. et al.			
	5,510,481	April 23, 1996	Bednarski, et al.			
	5,512,131	April 30, 1996	Kumar, et al.			
	5,599,695	February 4, 1997	Pease, et al.			
	5,679,310	October 21, 1997	Manns			
	5,691,018	November 25, 1999	Kelley, et al.			
	5,719,060	February 17, 1998	Hutchens, et al.			
	5,776,748	July 7, 1998	Singhvi, et al.			
	5,856,082	January 5, 1999	Aebersold et al.			
	5,894,063	April 13, 1999	Hutchens, et al.			
	5,900,160	May 4, 1999	Whitesides, et al.			
	5,942,443	August 24, 1999	Parce, et al.			
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	6,001,556	December 14, 1999	Charych, et al.			
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	4,831,869	May 23, 1989	Fowler			
	4,912,057	March 27, 1990	Guirguis			
	5,072,382	December 10, 1981	Kamentsky			
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	5,573,942	November 12, 1996	Miyamoto			
	5,591,627	January 7, 1997	Miyamoto			
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	5,744,366	April 28, 1998	Kricka et al.			
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EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE
	6,136,592	October 24, 2000	Leighton et al.			
	6,140,045	October 31, 2000	Wholstadter et al.			
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	6,238,874	May 29, 2001	Jarnagin et al.			
	6,251,672	June 26, 2001	Kubbies et al.			
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U. S. PATENT DOCUMENTS

EXAMINER INITIAL	PATENT NUMBER	PATENT DATE	NAME	CLASS	SUBCLASS	FILING DATE

FOREIGN PATENT DOCUMENTS

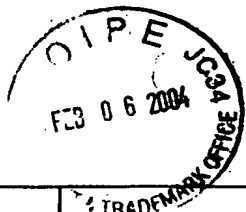
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						YES	NO
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	US 2002 0012953	January 31, 2002	PCT				
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